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CAMBORNE - REDRUTH

URBAN DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

MINISTRY OF HEALTH LIBRARY

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ANNUAL REPORT

OF THE

CHIEF PUBLIC HEALTH INSPECTOR

1959

REDRUTH

EARLE & CO., PRINTERS

CAMBORNE - REDRUTH
URBAN DISTRICT COUNCIL

Public Health Department

Medical Officer of Health :—

J. F. McCOURT, M.B., B.Ch., B.A.O., L.M., D. P. H. (Dublin).
(Resigned October 1959)

Chief Public Health Inspector :—

C. F. BAXTER, M.A.P.H.I.

Deputy Public Health Inspector :—

J. A. HACKING, M.A.P.H.I. (Resigned Nov. 1959)

E. TAYLOR, M.A.P.H.I.

Additional Public Health Inspectors :—

H. THOMASON, M.A.P.H.I.

C. H. SARGENT, M.A.P.H.I.

F. H. HAYWOOD, M.A.P.H.I.

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Miss S. THOMAS.

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PREFACE

Public Health Department,
Council Offices,
Camborne.

To the Chairman and Members of the Urban District Council.

I have pleasure in submitting the Annual Report of the Medical Officer of Health on the work of the Public Health Department for the year 1959. It has been prepared in accordance with the instructions of Ministry of Health circular 1/60 dated 8th January, 1960.

In October 1959, Dr. J. F. McCourt resigned and I took over my duties on 1st February, 1960, accordingly it is only possible to comment on records available in the Department. The population rose by 20 from last year's figure of 35,120, there has been a fall in the birth rate, infant death, neo-natal death, maternal and general death rates.

The tuberculosis death rate and the case mortality per 1,000 cases have fallen, similarly the case incidence per 1,000 population show a drop from 1.5 in 1958 to 1.08 for this year.

I am,

Your obedient Servant,

J. A. W. REID,
Medical Officer of Health.

Area Health Office,
Station Hill,
Redruth.
Tel. No.: Redruth 711/2.

SECTION A.

VITAL STATISTICS FOR THE YEAR 1959

Area	22,411 acres
Estimated mid-year population	35,140
Average number of persons per acre	1,57
Average number of inhabited houses	12,143
Average number of inhabited houses per acre	0.54
Average number of persons per house	2.9
Rateable value	£320,200
Product of a penny rate	£1,293

1. Population.

Year	Registrar General's mid-year estimate	Births	Deaths	Natural increase i.e. excess births over deaths
1939/42 (average)	35,000	—	—	—
1943	34,670	646	510	+136
1944	34,670	587	510	+ 77
1945	33,850	514	481	+ 33
1946	34,330	636	502	+134
1947	34,830	715	536	+179
1948	35,500	611	514	+ 97
1949	35,650	571	520	+ 51
1950	35,800	517	500	+ 17
1951	35,230	523	525	− 2
1952	35,260	521	480	+ 41
1953	35,380	498	565	− 67
1954	35,450	506	457	+ 49
1955	35,410	487	487	0
1956	35,270	498	522	− 24
1957	35,170	518	458	+ 60
1958	35,120	533	512	+ 21
1959	35,140	507	479	+ 28

2. Live Births.

There were 507 births in Camborne-Redruth in 1959, a decrease of 26 over the previous year, and the lowest number since 1956 when there were 498. The illegitimate births were 2% of the total live births.

	Males	Females	Total	1958	1957	1956	1955
Legitimate	256	241	497	533	499	471	459
Illegitimate	4	6	10	24	19	27	28
% of Total	—	—	2%	4.5%	3.8%	4.4%	6.1%

Birth Rate.

The live birth rate for 1959 was 14.43 per 1,000 population, The following table shows the comparison with previous years :—

Year		Crude Birth Rate
1949	...	16.01
1950	...	14.44
1951	..	14.84
1952	...	14.69
1953	...	14.04
1954	...	14.30
1955	...	13.75
1956	...	14.12
1957	...	14.73
1958	...	15.17
1959	...	14.43

Thus, up to 1959 the birth rate has tended to decrease, but the past three years show signs of an increase.

The following is a comparison of birth rates in Camborne-Redruth with those for England and Wales :—

Year		Camborne-Redruth	England & Wales
1952	...	14.55	15.3
1953	...	13.90	15.5
1954	...	14.45	15.2
1955	...	13.89	15.0
1956	...	14.26	15.6
1957	...	14.73	16.1
1958	...	15.17	16.4
1959	...	14.43	16.5

3. Stillbirths.

There were 17 stillbirths during 1959, which gives a stillbirth rate of 32.44 per 1,000 total live and stillbirths.

	Males	Females	Total
Legitimate	3	14	17
Illegitimate	—	—	—
Totals	3	14	17

Of the total, 16 were delivered in hospital and one was a domiciliary confinement. 12 of the 17 were premature.

Rate per 1,000 live and stillbirths ... 32.44
Total live and stillbirths 524
(Males 263, Females 261)

4. Infant Mortality.

Deaths of Infants under one year of age

	Males	Females	Total
Legitimate	4	4	8
Illegitimate	—	1	1
Totals	4	5	9

All infants per 1,000 live births	17.75
Legitimate infants per 1,000 legitimate live births ...	18.11
Illegitimate infants per 1,000 illegitimate live births.	100

Causes of Infant Deaths

	Males	Females	Total
Prematurity	1	3	4
Birth injury	1	—	1
Congenital malformations ...	1	2	3
Respiratory	1	—	1
Totals	4	5	9

The Infant Mortality Rate for 1959 (i.e. the number of deaths of infants under one year per 1,000 registered live births) was 17.75.

The following table gives the Infant Mortality Rate for Camborne-Redruth with that for England and Wales.

Year		Camborne-Redruth	England & Wales
1949	...	38.52	32.4
1950	...	38.68	29.6
1951	...	36.31	29.7
1952	...	27.02	27.6
1953	...	22.1	26.8
1954	...	12.71	25.4
1955	...	30.81	24.9
1956	...	22.09	23.7
1957	...	34.75	23.1
1958	...	24.39	22.6
1959	...	17.75	22.2

In general the trend is towards a reduction in the infant mortality rate although that for Camborne-Redruth is rather more erratic in its course than for the country as a whole.

5. Neo-Natal Mortality.

Deaths of Infants under four weeks old

The first four weeks are the most dangerous in a child's life. Of the nine children under one year who died in 1959, six were under four weeks.

	Males	Females	Total
Legitimate	2	3	5
Illegitimate	—	1	1
Totals	2	4	6

This gives a neo-natal death rate of 11.83 per 1,000 live births.

The neo-natal death rate in Camborne-Redruth over the last ten years was :—

1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
24.5	32.50	19.11	18.1	9.95	28.74	10.08	25.1	16.88	11.83

Deaths under a week

2 males (legitimate).

2 females (1 legitimate and 1 illegitimate).

Rate per 1,000 live and stillbirths ..... 7.63.

6. Maternal Mortality.

There were no maternal deaths for the year 1959.

7. Deaths.

The total number of deaths from all causes in Camborne-Redruth during 1959 was 479, a decrease of 33 over the previous year.

Deaths from all Causes.

	Males	Females	Total 1959	Total 1958	Total 1957
Tuberculosis, respiratory	2	1	3	6	11
Tuberculosis, non-respiratory	—	—	—	1	1
Syphilitic disease	—	—	—	1	—
Diphtheria	—	—	—	—	—
Whooping cough	—	—	—	—	—
Meningococcal infection	—	—	—	—	2
Acute poliomyelitis	—	—	—	—	1
Acute encephalitis	—	—	—	1	—
Measles	—	—	—	—	—
Other infective and parasitic diseases	—	1	1	—	2

DEATHS FROM ALL CAUSES *(continued)*—

	Males	Females	Total 1959	Total 1958	Total 1957
Cancer of stomach	6	9	15	17	18
Cancer of lung and bronchus	10	2	12	7	9
Cancer of breast	—	4	4	7	12
Cancer of uterus	—	5	5	6	7
Other cancers	20	25	45	48	53
Leukaemia	—	2	2	2	—
Diabetes	2	5	7	11	3
Cerebral haemorrhage and diseases affecting the blood vessels of the nervous system	27	42	69	78	60
Coronary disease, angina	47	25	72	79	74
Hypertension with heart disease	5	3	8	5	10
Other heart disease	29	70	99	76	72
Influenza	1	2	3	2	7
Pneumonia	6	4	10	12	7
Bronchitis	4	5	9	15	9
Other disease of respiratory system	7	3	10	18	13
Ulcer of stomach and duodenum	1	1	2	3	5
Gastritis, enteritis and diarrhoea	—	2	2	1	1
Nephritis and nephrosis (kidney conditions)	6	2	8	4	5
Enlarged prostate	8	—	8	2	9
Pregnancy, childbirth, abortion	—	—	—	1	—
Congenital malformations	3	2	5	9	5
Other defined and ill-defined diseases	16	32	48	60	33
Motor vehicle accidents	5	—	5	4	4
All other accidents	6	5	11	10	15
Suicide	—	2	2	5	1
Homicide and operations of war	1	—	1	—	—
Totals	218	261	479	512	158

The following shows the death rates in Camborne-Redruth over the past ten years :—

1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
13.96	14.90	13.61	15.97	12.92	13.75	14.80	13.02	14.57	13.63

While the change in rate has been noticeable from year to year on a few occasions, as for example 1953 and 1954, in general the death rate has tended to remain steady over the period.

The area comparability factor supplied by the Registrar General for deaths for 1959 is 0.91. So that while the crude death rate for 1959 is 13.63, the adjusted rate for comparison with the country as a whole is 12.4.

The following shows the comparison between local death rates and those for England and Wales :—

Death Rates

Year		Camborne-Redruth	England & Wales
1949	...	14.5	11.7
1950	...	12.28	11.6
1951	...	12.96	12.5
1952	...	11.8	11.3
1953	...	13.89	11.4
1954	...	11.24	11.3
1955	...	11.96	11.7
1956	...	13.01	11.7
1957	...	12.24	11.5
1958	...	13.11	11.7
1959	...	12.4	11.6

Diseases of the heart and blood vessels are by far the commonest cause of death, 261 such deaths occurring in 1959.

Deaths from cancer totalled 81 during the year, with respiratory disease accounting for 32, accidents 16 and tuberculosis 3.

In the past ten years the principal killing diseases have caused the following deaths :—

Year		Disease of Heart and Blood Vessels	Cancer	Respiratory Disease (Pneumonia Bronchitis, etc.)	Accidents	Tuberculosis
1950	...	248	73	46	14	21
1951	...	283	77	30	12	12
1952	...	265	71	26	6	14
1953	...	327	89	46	11	10
1954	...	267	66	25	5	13
1955	...	253	90	24	8	11
1956	...	283	79	41	10	11
1957	...	225	99	23	19	12
1958	...	259	85	47	14	7
1959	...	261	81	32	16	3

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES

1. Care of Mothers and Young Children.

The County Council continues to provide for the care of the expectant and nursing mothers and for children under school age under Section 22 of the National Health Service Act, 1946. In addition the care of the expectant mother is undertaken by the family doctor and the maternity unit at Redruth Hospital. Patients who have booked hospital beds for their confinements attend the hospital ante-natal clinic, and patients can also be referred to these clinics by their own doctors for Consultant's opinion.

Women who intend to have their babies at home are cared for during pregnancy by their own Medical Practitioners and District Nurse/Midwives. Emphasis is placed on the vital importance of adequate and continuous ante-natal care throughout pregnancy.

Ante-natal Clinics are held by the Midwife and Health Visitor at Camborne Community Centre and Redruth Health Area Office. These are mainly educational, and instruction is given in the course of labour, use of gas and air analgesia, relaxation exercises and mothercraft.

The infant and mother are looked after by the Midwife after delivery and when she retires from the case, the Health Visitor takes over. Infant Welfare Clinics are held at Camborne, Redruth, Illogan and St. Day. Advice is given by the Health Visitor on infant feeding and general upbringing of the child. Vaccination and immunisation are recommended at the appropriate ages and these may be carried out by the family doctor or the clinic Medical Officer. Opportunity is also taken by the Health visitor at these clinics to give short health talks on a wide variety of subjects.

On reaching school age, the supervision of the child's health passes to the care of the School Health Service, also administered by the County Council.

2. Home Help Service.

This most valuable service is administered by the County Council. It provides material needs for many patients in their own homes, especially maternity cases, aged and infirm persons and also

in cases of general illness, including tuberculosis. Without this service, many patients would find it necessary to go into hospital, as adequate care would not be provided in their own homes.

3. Home Nursing Service.

In households where illness occurs, the Home Nursing Service plays its part. This service again renders it unnecessary for many patients to be treated in hospital and it also permits of earlier discharge of patients from hospital to the care of the General Practitioners and District Nurses.

4. National Assistance Act, 1948.

During the year, one elderly patient was admitted to Barncoose Hospital under Section 47 of the National Assistance Act.

SECTION C.

GENERAL EPIDEMIOLOGY

1. Infectious Disease notified during the year 1959.

Disease	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Typhoid Fever...	—	—	—	—	—	—	—	—	—	—	—	—	—
Paratyphoid Fever	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningococcal Infection	—	—	—	—	—	—	—	—	—	1	—	—	1
Scarlet Fever ...	3	2	—	—	—	5	7	6	—	8	13	12	56
Whooping Cough	3	—	—	—	—	—	—	—	—	—	—	—	3
Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	—
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	12	7	6	5	1	17	6	18	2	—	—	—	74
Pneumonia	4	2	9	7	3	4	—	—	2	—	2	1	34
Poliomyelitis Paralytic	—	—	—	—	—	—	—	—	—	—	—	—	—
Poliomyelitis Non-Paralytic.	—	—	—	—	—	—	—	—	—	—	—	—	—
Food Poisoning.	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	6	9	10	4	3	4	8	5	12	3	5	3	72
Tuberculosis Pulmonary ...	3	4	—	—	3	3	2	2	1	5	2	3	28
Tuberculosis Non-Pulmonary	—	—	—	—	1	1	—	1	—	—	—	—	3
Dysentery	—	—	—	1	1	—	—	—	—	1	—	—	3
Acute Encephalitis...	—	—	—	—	—	—	—	—	—	—	—	—	—
Malaria	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum...	—	1	—	—	—	—	—	—	—	—	—	—	1
Infective Hepatitis	—	—	—	—	—	—	—	—	—	—	—	—	—
Scabies	—	—	—	—	—	—	—	—	—	—	—	—	—

2. Comparative Figures for previous years.

	1953	1954	1955	1956	1957	1958	1959
Typhoid Fever	—	—	—	—	—	—	—
Paratyphoid Fever	—	—	—	—	—	—	—
Meningococcal Infection	—	—	1	1	1	—	1
Scarlet Fever	31	26	34	7	4	6	56
Whooping Cough	109	36	11	6	220	10	3
Diphtheria	—	—	—	—	—	—	—
Erysipelas	4	8	9	8	4	4	—
Smallpox	—	—	—	—	—	—	—
Measles	1,117	4	274	98	31	788	74
Pneumonia	35	35	35	33	34	57	34
Acute Poliomyelitis (including Polioencephalitis)	2	1	—	—	2	3	—
Food Poisoning	1	33	11	13	1	6	—
Puerperal Pyrexia	106	126	116	138	136	85	72
Dysentery	10	21	—	—	—	1	3
Ophthalmia Neonatorum	—	1	1	3	—	—	1
Tuberculosis—Pulmonary	50	35	37	40	37	28	28
Non-Pulmonary	6	3	4	7	4	4	3

3. Total number of Infectious Diseases admitted to the County Isolation Hospital — 1959.

		Month Admitted
Meningococcal Meningitis	2	Jan. Oct.
Meningitis	2	Jan. March
Herpes	1	June
German Measles	1	Feb.
Tonsilitis	1	April
Infective Paratitis	1	April
Upper Respiratory Infection	1	June
Measles	2	Jan. July
Glandular Fever	2	July Nov.
Post Nasal Infection — Adenitis	1	Oct.
Scarlet Fever	1	Nov.

4. Immunisation and Vaccination.

Diphtheria.

There were no cases notified during 1959, the number of children immunised against diphtheria was :—

	Primary	Booster
0—5 years	540	5
5—15 years	21	284
Totals ...	561	289

Of these, the great majority of primary immunisations were carried out with the Triple Antigen against diphtheria, whooping cough and tetanus and the majority of booster doses were with diphtheria-tetanus prophylactic, or diphtheria alone.

It is reckoned that 60.36% of the children under five years have been immunised against this disease in the community. The overall percentage immunised against diphtheria is in the region of 63.45%.

Smallpox.

The following vaccinations were carried out in 1959 :—

	Primary	Re-vaccination
0—5 years	231	8
5—15 years	8	3
Over 15 years ...	36	42
Totals ...	275	53

Poliomyelitis.

There were no cases notified this year. Throughout the year vaccination was offered to all persons up to the age of 25 years. The full course of protection consists of two initial injections followed by a third at least seven months later.

During 1959, the following number were vaccinated against poliomyelitis in the Camborne-Redruth Urban District :—

	Under 15 yrs.	Over 15 yrs.	Total 2 injs.	3rd inj.
County Council Clinics ...	426	1144	1570	1869
General Practitioners	1104	577	1681	2211
Total for 1959	1530	1721	3251	4080

5. Tuberculosis.

During 1959, there were 38 new cases of tuberculosis notified to the Department, 35 pulmonary and three non-pulmonary.

Age Distribution of New Cases and Mortality during 1959

	NEW CASES						DEATHS					
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary		
Ages	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
0—1 ...	—	—	—	—	—	—	—	—	—	—	—	—
1—5 ...	1	—	1	—	—	—	—	—	—	—	—	—
5—15 ...	—	—	—	—	—	—	—	—	—	—	—	—
15—45 ...	4	8	12	1	1	2	—	1	1	—	—	—
45—65 ...	9	2	11	1	—	1	1	—	1	—	—	—
65 & over.	10	1	11	—	—	—	4	—	4	—	—	—
Totals...	24	11	35	2	1	3	5	1	6	—	—	—

During the year 31 persons were classed as recovered from tuberculosis and were removed from the Tuberculosis Register. Eight persons suffering from tuberculosis were transferred to other areas and five were transferred into the Urban District.

The number of cases on the Notification Register at 31st December, 1959, was as follows :—

	Pulmonary	Non-Pulmonary	Total
Males	155	11	166
Females	101	15	116
Totals	256	26	282

The following table shows the position over the past ten years :-

Year	New Notifications	Total Cases on Register	Deaths	Death Rate per 1,000 population	Case Mortality per 1,000 Cases
1949 ...	57	196	23	0.64	117
1950 ..	36	223	21	0.58	94
1951 ...	49	242	12	0.34	49
1952 ...	54	263	14	0.39	53
1953 ...	56	301	10	0.28	33
1954 ...	39	296	12	0.34	40
1955 ...	48	288	12	0.34	42
1956 ...	44	304	12	0.34	39
1957 ...	53	295	13	0.37	44
1958 ...	44	289	14	0.40	48
1959 ...	38	282	6	0.17	21

B.C.G. Vaccination.

During 1959, 83 household contacts and 62 more remote contacts of cases of tuberculosis were given protection with B.C.G.

Protection of Adolescents by B.C.G.

	1954	1955	1956	1957	1958	1959
No. of children skin tested ...	336	268	327	572	336	259
No. giving positive reaction...	91	65	67	145	69	58
No. giving negative reaction..	245	203	249	419	266	185
Absent for inspection	—	—	11	8	1	14
No. given B.C.G. vaccine ...	243	203	245	419	266	185

Out of 259 children skin tested, 58 or 22.4% showed evidence of having come in contact with a tuberculosis infection.

6. Scarlet Fever.

Mild cases of infection by the streptococcus organism continued. 56 cases of scarlet fever were notified.

7. Puerperal Pyrexia.

Notifications were slightly less than last year, they all occurred in the Maternity Unit at Redruth Hospital.

8. Measles.

During the first half of the year 54 cases of measles were notified. This was the tail end of the epidemic which began in June 1958.

CHIEF PUBLIC HEALTH INSPECTOR'S REPORT

For the Year ended 31st December, 1959.

Public Health Department,
Council Offices,
Camborne.

To the Chairman and Members of the Urban District Council.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I beg to submit my report for the year ending 31st December, 1959.

It was decided during the year to increase the number of inspectors employed to seven, it was found, however, that we were unable to obtain qualified inspectors to implement this decision in spite of numerous advertisements being inserted in the professional and technical journals. At the end of the year the number of inspectors employed in the department was five, and it was found impossible to carry out fully the work of the department with this staff.

I am indebted to the following officers for information and data which are included under the sections " Water " and " Housing " in the report ; Mr. L. V. Ockford, Water Engineer, Camborne Water Company, Mr. N. Barrett, A.M.I.C.E., M.I.Mun.E., A.M.I.W.E., Engineer, Surveyor and Water Engineer to the Council and Mr. J. Lenten, Housing Officer to the Council.

I am, Ladies and Gentlemen,

Your Obedient Servant,

C. F. BAXTER,
Chief Public Health Inspector.

SECTION D.

SANITARY CIRCUMSTANCES OF THE AREA

1. Water.

REDRUTH AREA.

1. The quality of the mains supply has again been satisfactory throughout the year.

Although we experienced one of the driest summers for many years, the quantity of water has been sufficient to maintain supplies without imposing restrictions.

The chutes and wells were as usual indifferent as to quality.

The following new mains have been laid :—

500 yds. approx. of 3″ at Treviskey, Lanner.
700 yds. approx. of 3″ at Carnarthen.
80 yds. approx. of 3″ at South Albany Road, Redruth.
300 yds. approx. of 4″ at Cardrew Housing Estate, Redruth.
1,000 yds. approx. of 6″ at Pennance Rd., Lanner (Extension).

The number of new connections to the main during the year was 92.

2. All raw water to mains was tested regularly and found to be satisfactory. The results are as follows :—

MAIN WATER SUPPLY SOURCES.

Penstruthal Intake ...	Jan. — Satisfactory	July — Satisfactory
	Feb. — Satisfactory	Aug. — Satisfactory
	Mar. — Satisfactory	Sept. — Satisfactory
	Apr. — Satisfactory	Oct. — Satisfactory
	May — Satisfactory	Nov. — Satisfactory
	June — Satisfactory	Dec. — Satisfactory
Filtrick Intake	Jan. — Satisfactory	July — Satisfactory
	Feb. — Satisfactory	Aug. — Satisfactory
	Mar. — Satisfactory	Sept. — Satisfactory
	Apr. — Satisfactory	Oct. — Satisfactory
	May — Satisfactory	Nov. — Satisfactory
	June — Satisfactory	Dec. — Satisfactory
Penventon Intake ...	Jan. — Satisfactory	July — Satisfactory
	Feb. — Satisfactory	Aug. — Satisfactory
	Mar. — Satisfactory	Sept. — Satisfactory
	Apr. — Satisfactory	Oct. — Satisfactory
	May — Satisfactory	Nov. — Satisfactory
	June — Satisfactory	Dec. — Satisfactory

MAIN WATER SUPPLY SOURCES *(continued)*—

Distribution Mains ...	Jan. — Satisfactory	July — Satisfactory
	Feb. — Satisfactory	Aug. — Satisfactory
	Mar. — Satisfactory	Sept. — Satisfactory
	Apr. — Satisfactory	Oct. — Satisfactory
	May — Satisfactory	Nov. — Satisfactory
	June — Satisfactory	Dec. — Satisfactory
Cathedral Shaft ...	Jan. — Satisfactory	July — Satisfactory
	Feb. — Satisfactory	Aug. — Satisfactory
	Mar. — Satisfactory	Oct. — Satisfactory
	Apr. — Satisfactory	Nov. — Satisfactory
	May — Satisfactory	Dec. — Satisfactory
	June — Satisfactory	
South Francis	June — Satisfactory	Sept. — Satisfactory
	July — Satisfactory	Oct. — Satisfactory
	Aug. — Satisfactory	Nov. — Satisfactory
Sandy Lane	June — Satisfactory	Sept. — Satisfactory
	July — Satisfactory	Oct. — Satisfactory
	Aug. — Satisfactory	Nov. — Satisfactory

WELLS AND CHUTES.

Nancekuke Chute ...	Jan. — Unsatisfactory	Oct. — Unsatisfactory
Cambrose Well ...	Jan. — Unsatisfactory	Aug. — Unsatisfactory
Watergate Chute ...	Jan. — Unsatisfactory	Aug. — Unsatisfactory
Tolskithy Chute ...	Jan. — Unsatisfactory	Oct. — Unsatisfactory
Trevethan Well ...	Jan. — Satisfactory	Sept. — Unsatisfactory
Gordon Adit	Feb. — Satisfactory	Sept. — Satisfactory
Five Chutes	Feb. — Satisfactory	Sept. — Satisfactory
Carnmarth Quarry ...	Feb. — Satisfactory	
Redruth Coombe ...	Mar. — Satisfactory	Nov. — Unsatisfactory
Betty Adit	Mar. — Satisfactory	
Lanner Stand Tap ...	Mar. — Satisfactory	Nov. — Satisfactory
Bosleake Well	Mar. — Satisfactory	Nov. — Unsatisfactory
Manorwidden Spring ...	Apr. — Satisfactory	
Chycarne Moor ...	Apr. — Satisfactory	
Pennance Well	Apr. — Satisfactory	Dec. — Satisfactory
Carnmarth Chute ...	Apr. — Satisfactory	Dec. — Suspicious
Roseworthy Chute ...	May — Satisfactory	
Reskadinnick Chute ...	May — Satisfactory	
Roscroggan Well ...	May — Satisfactory	
Menadarva	May — Satisfactory	
Bolenowe Chute ...	June — Satisfactory	
Croft Michael	June — Unsatisfactory	
Penhalurrick Chute ...	July — Satisfactory	
Bolenowe Moor ...	July — Satisfactory	

3. Notices advising boiling are placed at all wells and chutes when unsatisfactory results are obtained.

CAMBORNE-ILLOGAN AREA.

This area is supplied by the Camborne Water Company.

The rainfall recorded at our Boswyn Station was 51.16 inches. This amount although slightly above the average was registered mostly during the winter months. The summer was very dry and warm and although some difficulty was experienced in maintaining supplies no restrictions were imposed.

The total amount of water supplied was 343,000,000 gallons which is an increase of approximately 21,000,000 gallons over the previous year. This is the highest annual rise in consumption yet recorded and is no doubt attributable to the exceptional summer.

The quantity of water pumped at our Penponds Station was 146,000,000 gallons, an amount considerably greater than has ever been pumped before. To obtain this quantity the adit supply was augmented with water from the Barripper stream. Temporary filtration and treatment plant was installed to treat this water.

The average daily consumption was 920,000 gallons giving an average per head of population of 40 gallons. During the year 100 samples of water were taken from various points of the distribution system for bacteriological examination and all were reported as being satisfactory.

The raw water is acid in reaction and is therefore treated with lime at Boswyn and Penponds and with silicate of soda at Cargenwyn. Further methods of treatment are filtration, microscreening and chlorination.

Owing to pressure of work no service mains were relaid during the year but this work will be re-started early in 1960.

A 3″ main was laid at Troon to supply the new housing estate.

A new 9″ pumping main was laid from Penponds to Barripper and work commenced during the latter part of the year on the construction of the new pumping station at Penponds. This will deal with the adit and stream waters. Work also commenced on the laying of a new 12″ trunk main to supply the eastern part of the Company's area.

The approximate number of houses in the area supplied by the Company are 7,110 and the estimated number of persons residing in these houses is 22,000. All these properties are connected to the mains and in addition five houses are supplied by standpipe.

New services installed during the year numbered 81.

2. Complaints.

The following complaints were received and dealt with during the year :—

Choked sewers and drains	587
Unsatisfactory housing conditions	134
Unsatisfactory sanitation and drainage	25
Overcrowding	58
Rats and mice	287
Miscellaneous	59
	1,150

3. Nuisances Abated, Defects Remedied, etc.

The following works were carried out under the supervision of the Public Health Inspectors during the period under review :—

Premises connected to the sewer	108
Choked drains cleared	587
New water closets installed	113
Water closets repaired or renewed	10
Pail or pit closets repaired or renewed	1
Pail or pit closets abolished	44
New cesspools provided	16
Private disposal plants provided	9
Cesspools abolished	1
Defective roofs repaired	26
Eavesgutters and downpipes repaired or renewed...	13
Dampness remedied	16
Walls and ceilings repaired	22
Floors repaired	8
Windows frames and sash cords repaired or renewed	13
Doors repaired or renewed	4
Water supply improved	1
Fireplaces, chimneys, flues repaired	13
External walls repaired	6
Other nuisances abated	3
Cooking apparatus repaired or renewed... ...	2

4. Verminous Premises.

Ten premises were treated during the year for flea infestation by spraying and fumigation.

5. Infectious Diseases.

Forty-three visits were made following the notification of infectious diseases and two houses were disinfected as a result of such visits.

6. Salvage.

The following quantities of salvage were disposed of during the year :—

	TONS	CWTS.	QRS.	LBS.
Mixed Waste Paper ...	402	15	—	—
Cardboard	141	13	—	—
Rags	10	13	—	—
Metals	16	8	—	—
	571	9	—	—
Bottles	446 dozen			

It was again necessary to continue restricted output throughout the year. The sale of the above salvage realised £3,800.

7. Refuse Collection and Disposal.

The following quantities of refuse were deposited at the Treskillard Tip during the year :—

Household and Trade Refuse ...	38,672 cubic yards.
Tip Covering	4,588 cubic yards.
Rubbish and Highway Sweepings ...	3,190 cubic yards.
	46,450 cubic yards.

There was an increase of 500 cubic yards of household and trade refuse during the year as compared with 1958.

8. Sewerage.

The pumping stations at Portreath and Penponds continued normal operations during the year, and the following quantities of sewage were pumped :—

Portreath ...	50,345,000 gallons.
Penponds ...	16,029,000 gallons.

1959 saw the completion of the Four Lanes Sewerage extension. Practically the whole of the village of Four Lanes has now been provided with sewerage.

9. Cesspool and Gully Emptyings.

The number of gullies emptied during the year was 6,029 and cesspools 333. The slight increase in cesspool emptyings year by year continues.

10. Rats and Mice.

SEWER INFESTATION.

The treatment of sewers for rat infestation was carried out by means of test baiting followed by a maintenance treatment during the Spring and a further maintenance treatment during the Autumn. As the 'takes' in the Illogan area were so small over the previous three treatments, this area was omitted during 1959.

The results of the treatments carried out were as follows :—

Test Bait.	Manholes baited	No. of takes recorded
Camborne	64	13
Redruth	30	12

Spring Treatment.	Manholes baited	Poison baits taken
Camborne	62	40
Redruth	63	43

Autumn Treatment.	Manholes baited	Poison baits taken
Camborne	65	37
Redruth	56	45

SURFACE INFESTATIONS.

All domestic properties in the area continued to be treated for the infestation of rats free of charge. Heavy infestations of mice are also dealt with by the department. Charges are made for work at business premises. Contracts made in previous years regarding treatments at business premises, hospitals, etc., were all renewed.

The following table shows the extent of the work carried out during the year.

	Type of Property				Total
	Local Authority	Dwelling Houses	Agricultural	Business, etc.	
No. of premises inspected as a result of :—					
(a) Notification ...	3	168	6	110	287
(b) Survey ...	2	280	4	13	299
(c) Primarily for some other purpose ...	27	634	8	761	1,430
No. of properties found to be infested with :-					
(a) Rats ...— ...	6	256	9	35	306
(b) Mice	—	22	—	23	45
No. of infested properties treated by Local Authority ...	6	278	9	58	351

11. Factories Act, 1937.

1. Inspections for purposes of provisions as to health (including inspections made by Public Health Inspectors).

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authority...	17	30	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	100	65	2	—
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	11	13	—	—
Total ...	128	108	2	—

2. Cases in which defects were found (if defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more " cases ").

Particulars	No. of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			To H.M. Inspector	By H.M. Inspector	
Want of cleanliness ...	—	1	—	1	—
Overcrowding	—	—	—	—	—
Unreasonable temperature	—	—	—	—	—
Inadequate ventilation ...	—	—	—	—	—
Ineffective drainage of floors	—	—	—	—	—
Sanitary Conveniences :					
(a) Insufficient	1	1	—	—	—
(b) Unsuitable or defective	—	1	—	1	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to outwork)	—	3	—	3	—
Total ...	1	6	—	5	—

OUTWORKERS.

Notifications of eleven outworkers said to be engaged in the making of wearing apparel and the weaving of textile fabrics were received by the Council during the year. All the premises were found to be satisfactory upon inspection.

SECTION E.

HOUSING

1. Inspection of Dwelling-houses during the year.

(a) The total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 159

(b) Number of inspections made for the purposes ... 938

Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 24

Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation 90

2. Remedy of Defects during the year without service of Formal Notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the local authority or their officers 47

3. Action under Statutory Powers during the year.

(a) Proceedings under Sections 9, 39, 10 and 12 of the Housing Act, 1957 :—

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ... ... Nil

(2) Number of dwelling-houses which were rendered fit after service of formal notices :—

(a) By owners ... ... Nil

(b) By local authority in default of owners ... Nil

(b) Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring repair 7

(2) Number of dwelling-houses which were rendered fit after service of formal notices :—

(a) By owners 6

(b) By local authority in default of owner ... 1

(c) Proceedings under Sections 16, 17 and 23 of the Housing Act, 1957 :—

(1) Number of dwelling-houses in respect of which Demolition Orders were made 1

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders 1

(3) Number of dwelling-houses in respect of which Closing Orders were made 2

(4) Number of dwelling-houses in respect of which Undertakings were accepted 6

(d) Proceedings taken under Sections 42, 43 and 44 of the Housing Act, 1957 :—

(1) Number of dwelling-houses included in Clearance Orders ... ... Nil

(2) Number of dwelling-houses included in Clearance Orders confirmed by Minister 3

(3) Number of dwelling-houses included in Clearance Orders and demolished ... ... Nil

During the year nine families were rehoused by the Council from unfit properties, which were subject to Demolition or Closing Orders.

Two Closing Orders made previously were revoked in 1959. The owners in each case carried out considerable alterations and repairs, after agreement being reached with the Council.

4. Rent Act, 1957.

The following is a summary of the work carried out under the Rent Act, 1957.

Part (A) **Applications for Certificates of Disrepair.**

(1) Number of applications for Certificates ... 13

(2) Number of decisions not to issue Certificates ... 1

(3) Number of decisions to issue Certificates ... 11

(a) in respect of some but not all defects ... 9

(b) in respect of all defects 2

(4) Number of undertakings given by landlords under paragraph 5 of the First Schedule 2

(5) Number of undertakings refused by Local Authorities under proviso to paragraph 5 of the First Schedule ... ... Nil

(6) Number of Certificates issued 11

Part (B) **Application for Cancellation of Certificates.**

(1) Applications by landlords to Local Authority for cancellation of Certificates 8

(2) Objections by tenants to cancellation of Certificates 4

(3) Decisions by Local Authority to cancel in spite of tenant's objection ... ... Nil

(4) Certificates cancelled by Local Authority ... 6

5. Standard Grants.

The Council decided that the work on Standard Grants be carried out by the Public Health Department and 54 applications were received and dealt with during 1959. In no case was the work completed and the grant paid by the end of the year.

6. Applications for re-housing.

Number of tenancy applications — January, 1959 ...	618
Number of tenancy applications — December, 1959...	608
Number of Council tenants transferred during 1959...	61
Number of families housed during 1959	102

7. New Housing.

1. LOCAL AUTHORITY HOUSING.

(a) PROGRESS.

During 1959 new dwellings were erected on the estates at Weeth, Illogan and Cardrew, and the following were completed :—

(i) Weeth, Camborne.
14 Traditional Dwellings.

(ii) Illogan Estate.
22 Traditional Dwellings.

(iii) Cardrew Estate, Redruth.
5 Traditional Dwellings.

(b) PRESENT POSITION.

At 31st December, 1959 the following numbers of houses had been completed since the War :—

(a) Traditional Dwellings.

1.	North Close, Redruth	16
2.	Treleigh Estate, Redruth	95
3.	Tresavean Estate, Lanner	28
4.	Treloweth Road, Pool, Redruth	28
5.	Paynters Lane End, Illogan	38
6.	Pengegon Estate, Camborne	76
7.	Crane Road, Camborne	69
8.	Illogan Estate	133
9.	Weeth Estate, Camborne	147
10.	Four Lanes Estate, Redruth	12
11.	Cardrew Estate, Redruth	5

(b) Permanent Non-Traditional Dwellings.

1.	Prefabricated Aluminium Dwellings at Pengegon Estate	40
2.	Cornish Unit Dwellings at Pengegon Estate ...	68
3.	Cornish Unit Shops and Flats at Pengegon Estate	4
4.	Cornish Unit Dwellings at Treleigh Estate ...	130
5.	Cornish Unit Dwellings at Park Bottom Estate...	38
6.	Cornish Unit Dwellings at Illogan Estate ...	36
7.	Cornish Unit Dwellings at Weeth, Camborne ...	50

(c) Temporary Dwellings.

1.	Prefabricated 'Arcon' Dwellings at Pengegon Estate	50
2.	Prefabricated Aluminium Dwellings at Pengegon Estate	28
3.	Prefabricated Aluminium Dwellings at Strawberry Lane, Redruth	22
4.	Converted Nissen Hut Dwellings at W.A.A.F. Site, Portreath	18
		1,131

(d) FUTURE PROGRAMME.

1. ILLOGAN HOUSING ESTATE.
   The completion, by Direct Labour, of 12 Traditional Houses.
2. TROON HOUSING ESTATE.
   The completion, by Direct Labour, of 50 Traditional Houses.
3. CARDREW HOUSING ESTATE.
   The completion, by Direct Labour, of 61 Traditional Houses.

2. PRIVATE ENTERPRISE.

During 1959 a further 41 dwellings were completed by Private Enterprise, making a total of 309 dwellings since the war.

8. Tents, Vans and Sheds.

Eighteen caravan licences were renewed during the year and a further six licences were granted for the siting of individual caravans under the Public Health Act, 1936. One caravan site was licensed during the year for the siting of eight caravans.

SECTION F.

INSPECTION AND SUPERVISION OF FOOD.

1. Milk.

Seventy-two routine samples of milk were taken throughout the year from retailers and of these one sample failed to satisfy the Methylene Blue Test. Two tests on samples were declared void.

Comparative percentages of samples satisfying the Methylene Blue Test are as follows :—

Year	1952	1953	1954	1955	1956	1957	1958	1959
% Passed	95.83	88.41	94.3	94.35	97.22	95.83	88.73	98.57

2. Milk Licences.

Milk Licences were issued as follows :—

Dealers' Licences for Pasteurised Milk	33
Dealers' Licences for Tuberculin Tested Milk	17
Supplementary Dealer's Licence for Pasteurised Milk ...	1
Supplementary Dealer's Licence for Tuberculin Tested Milk ...	1

3. Meat Inspection.

TABLE I. CARCASES INSPECTED AND CONDEMNED.

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number Killed ...	2,712	705	16,055	7,393	114,253
Number Inspected..	2,653	688	14,094	6,617	98,510
ALL DISEASES EXCEPT TUBERCULOSIS :					
Whole carcases condemned ...	3	4	19	11	172
Carcases of which some part or organ was condemned ...	937	307	23	123	7,050
Percentage of the number inspected affected with disease other than tuberculosis ...	35.43%	45.2%	.28%	2.02%	7.33%
TUBERCULOSIS ONLY :					
Whole carcases condemned ...	3	14	2	—	26
Carcases of which some part or organ was condemned ...	29	129	4	—	1,974
Percentage of the number inspected affected with tuberculosis ...	1.2%	20.78%	.04%	—	2.03%
CYSTICERCUS BOVIS :					
Carcases of which some part or organ was condemned ...	23	—	—	—	—
Carcases submitted to treatment by refrigeration ...	12	—	—	—	—
Generalised and totally condemned ...	Nil	—	—	—	—

TABLE II. MEAT INSPECTION — REASONS FOR CONDEMNATION.

Description	Number killed	Number inspected	Tuberculosis		Other Conditions																	Totals
			Generalised	Localised	Dropsy and Emaciation	Pyaemia	Injury and Bruising	Distomatosis	Parasitic	Tumours and Abscesses	Pneumonia	Inflamation	Actinomycosis	Cavernous Angioma	Pleurisy	Fever	Jaundice	Cysticercus Bovis	Cirrhosis	Moribund	Miscellaneous	
BOVINES	3417	3341																				
Whole Carcases ...			17		4		2														1	24
Part Carcases ...				9			14			1												24
Heads & Tongues				55						3			32					23				113
Lungs				112					3	2					7			7				131
Livers				58				1053		38		1		24				5			4	1183
CALVES	16055	14094																				
Whole Carcases ...			2		6	1				2						3	1			1	5	21
Part Carcases ...															2							2
Lungs				6						1					2							9
Livers				6					1	4											1	12
SHEEP	7393	6617																				
Whole Carcases ...					6											3	1				1	11
Part Carcases ...							3			3											1	7
Lungs									13	2					3							18
Livers								20	82	6									1		1	110
PIGS	114253	98510																				
Whole Carcases ...			26		34	13	4		1	15					9	33	7			32	24	198
Part Carcases ...				1			118			28		1			1						32	181
Heads & Tongues				2034						4												2038
Lungs				70					536	2	353	2072			974							4007
Livers				68					2281	7		2466							212			5034
TOTALS	141118	122562	45	2419	50	14	141	1073	2917	118	353	4540	32	24	998	39	9	35	213	33	70	

The total weight of meat condemned during 1959 was 51 tons 3 cwts. 2 qrs. 18 lbs.

During the second half of the year only an odd case of localised tuberculosis was found in bovine carcases. There is no great overall decrease in the percentage of cattle affected with tuberculosis as large numbers of reactor cattle were slaughtered locally during the first six months of 1959, from July onwards any cases of tuberculosis found in the slaughterhouses were immediately notified to the Veterinary Division of the Ministry of Agriculture, Fisheries and Food at Truro for " follow-up " procedure.

A large number of uninspected animals continue to be removed from this area during week-ends despite the fact that 6.30 a.m. inspection is made on Monday mornings.

4. Slaughter of Animals Act, 1958.

Seventy-eight slaughtermen were licensed under the above Act during the year.

5. Other Foods.

Ninety-three visits were made to shops and premises other than slaughterhouses in connection with the examination and condemnation of food for human consumption.

Fresh Vegetables	14,432 lbs.
Canned Vegetables	129 lbs.
Canned Fruit	860 lbs.
Canned Meat and Fish	1,626 lbs.
Canned Milk	83 lbs.
Miscellaneous Canned Foods ...	42 lbs.
Cereals, etc.	54 lbs.
Meat and Fish	181 lbs.
Miscellaneous Foods	279 lbs.
	17,686 lbs.

Total weight of food condemned :—

7 tons 17 cwts. 3 qrs. 18 lbs.

6. Food Premises.

722 visits were made to food premises during the year.

The food premises register now contains records of premises as follows :—

Grocers	182
Butchers	42
Fish and Chip Shops	27
Restaurants, etc.	42
Confectioners	59
Bakehouses	13
Green Grocers	39
Licensed Premises	55
Miscellaneous	10

Food premises registered for the storage and sale of ice cream	169
Premises registered for the manufacture of sausages	71
Premises registered for the cooking of fish ...	27

722 visits were made to food premises during the year. This shows an increase of 510 visits as compared with the previous year. Although this improvement is gratifying I shall not be satisfied until some 2,000 visits are made annually to premises where food is handled.

7. Slaughterhouses.

Work in connection with the re-licensing of slaughterhouses under the Slaughterhouses Act, 1958 was commenced early in the year. Inspections and plans were made of all the licensed slaughterhouses in the area and detailed schedules of works required at each premises to bring them up to the standards laid down in the new regulations were compiled. Copies of these schedules were forwarded to the individual occupiers. In some seven cases the occupiers decided not to bring their premises up to the required standard, and by the end of the year these premises ceased to be used as slaughterhouses. During the year the Council held consultations with interested bodies and individuals concerning the existing and probable future requirements of the Urban District for slaughterhouse facilities.

8. Ice Cream.

Nineteen premises were registered for the storage and sale of ice cream during 1959. This brings the total of such premises now registered in the area to 169.

Thirty-six samples of ice cream were taken during the year and upon the results of Methylene Blue Tests were graded as follows :—

Provisional Grade I	..	21
Provisional Grade II	..	11
Provisional Grade III	...	4
Provisional Grade IV	...	—

Two of these samples were taken from ice cream produced in the area.